

Suggested Applications

floor wall residential light commercial heavy commercial exterior pools

Installation Suggestions

joint size <2mm modular setting plank installation edge: straight rustic rectified finish: matte polished structured honed semi-polished other

Porcelain Type

through-body color-bodied glazed unglazed double-loaded other

Shade Variation

V1 Uniform Appearance V2 Slight Variation V3 Moderate Variation V4 Substantial Variation

thickness: **10mm** # of faces:

Slip Resistance



COF	WET		DRY		DCOF
	standard*	result	standard*	result	
accessible routes	.6	.76	.6	.79	.76
ramps	.8		.8		

*Industry Standard/ADA Requirements

Values	Tile Classification
0 - 0.50	Questionable
0.50 - 0.60	Conditionally Slip Resistant
> 0.60	Slip Resistant

DIN 51130	Class	Typical Applications	Critical Angle
<input type="checkbox"/> R9*	3-10°		
<input checked="" type="checkbox"/> R10	10-19°	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
<input type="checkbox"/> R11	19-27°		
<input type="checkbox"/> R12	27-35°	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°
<input type="checkbox"/> R13	>35°		
<input checked="" type="checkbox"/> C		Areas constantly under water, e.g. steps into pools, foot baths, inclined pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

ASTM C-1028
DIN 51097/51130

Scratch Resistance



Mineral
 1. Talc (Talc) 6. Microline (Glass, Glazed Tile)
 2. Gypsum (Fingernail) 7. Quartz (Unglazed Porcelain)
 3. Calcite (Penny) 8. Topaz (Granite)
 4. Flourite (Some Marbles) 9. Corundum (Ruby)
 5. Apatite (Knife Blade) 10. Diamond (Diamond)

Industry standard ≤175mm²

Wear Resistance

PEI RATING
 UNI EN ISO
 10545.7

- Class 1: Walls only
- Class 2: Resid. floors w/minimal abrasive traffic.
- Class 3: Resid. interiors normal use and foot traffic.
- Class 4: Light-medium commercial applications.
- Class 5: Commercial applications.

MOH'S SCALE
UNI EN ISO 10545.6 <175

Stain Resistance

5: Removed after 5 minutes (hot water running)
 4: Removed by manual cleaning (weak detergent)
 3: Removed by mechanical cleaning (strong detergent)
 2: Removed by immersion (24 hrs in suitable solvent)
 1: Stain not removed

Water Absorption

ASTM C-373
 UNI EN ISO 10545.3 <0.5

Impervious	Vitreous	Semi-Vitreous	Non-Vitreous
<input checked="" type="checkbox"/> Absorbs 0-.5%	<input type="checkbox"/> Absorbs .5-3%	<input type="checkbox"/> Absorbs 3-7%	<input type="checkbox"/> Absorbs 7% +
Interior/exterior Frost Resistant	Interior/exterior Frost Resistant	Indoor use only	Indoor use only

ASTM C1378-04
UNI EN ISO 10545.14 5

Breaking Strength

Industry standard should be greater than 250 lbs or 50 N/MM²

Facial Dimension

ASTM c499-09
 UNI EN ISO 10545.02

	Standard	Tolerance	Result
flatness	±5mm	±.5%	<input type="text"/>
thickness	±6mm	±.5%	<input type="text"/>
straightness	±4.5mm	±.5%	<input type="text"/>
squareness	±5.4mm	±.6%	<input type="text"/>
sides L/W	±1.1mm ±4.5mm	±.5%	<input type="text"/>

Chemical Resistance

ASTM C650
 UNI EN ISO 10545.13

Allowances for:

	result
acid	<input type="text"/>
bases	<input type="text"/>
chemicals	<input type="text"/>

ASTM C648
UNI EN ISO 10545.4 >35

Leed Information



Sustainable Sites	1 Point	Materials & Resources	1 Point	2 Points
Site selection SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input type="checkbox"/>	M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input type="checkbox"/>	70% <input type="checkbox"/>
Energy & Atmosphere EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input type="checkbox"/>	M&R CREDIT 4.1-4.2 Recycled Content: The sum of post consumer plus 1/2 of the pre consumer reps at least 10-20% of total value of materials.	10% <input type="checkbox"/>	20% <input type="checkbox"/>
Indoor Environmental Quality Low-Emitting Materials-Flooring Systems IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input type="checkbox"/>	M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input type="checkbox"/>
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input type="checkbox"/>	Innovation in Design ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	1-5 Points <input type="checkbox"/>	
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input type="checkbox"/>			

Type: **Porcelain Stoneware**
 Product Line: **Cherokee**

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

1) SLIP RESISTANCE: COF data is represented, but note that this series has good DCOF results - BOT3000 (DCOF) 0.76

2) WEAR RESISTANCE: Differs according to surface color Class 4: Cream, Beige, Charcoal, Grey | Class 5: White

3) LEED INFORMATION: All Cerindustries products comply with many of LEED's requirements and porcelain stoneware are made up of a percentage of recycled and recovered material (pre-consumer), that does exceed 40% of the total quantity of clays employed. Cerindustries products do not release VOC and are manufactured in production facilities environmental friendly certified. *Points must be assigned by the architect and builder according to selections and LEED procedures.*